

MARINE ECOLOGY

PROGRESS SERIES

Volume 88 (1992)

Editor
Otto Kinne

Assistant Editor: John Austin

Editorial Assistants: Scott Hanson, John Hunt, Rosemarie Stedjee

Ecology Institute, Nordbunte 23, W-2124 Oldendorf/Luhe, Germany

Tel (+49) (0)4132 7127, Fax (+49) (0)4132 8883



Inter-Research

1992

Editorial Advisors

Marine Ecology Progress Series (MEPS) is edited in cooperation with the Editorial Advisors (EAs) listed below and about 300 Anonymous Referees. EAs are appointed for a 4-year period. They critically evaluate the scientific merits of submitted manuscripts. EAs of long standing may also act as Sub-editors by processing manuscripts themselves, i.e. see them through a rigorous referee process and present them to the Editor. EAs furthermore recommend authors and topics for reviews to be published in MEPS. Their addresses and fields of expertise are detailed at the end of the last (3rd) issue of each volume, together with the volume contents.

ENVIRONMENTAL FACTORS

Alderdice, D., Dr

Pacific Biological Station, Nanaimo, B.C.,
Canada V9R 5K6
Responses to environmental factors

Collos, Y., Dr

Laboratoire d'Hydrobiologie, Université de
Montpellier CC 093, F-34095 Montpellier
Cedex 5, France
Nitrogen metabolism of phytoplankton

Dring, M. J., Dr

Botany Dept, The Queen's Univ. of Belfast,
Belfast BT7 1NN, Northern Ireland
Physiological ecology of algae

Fisher, N. S., Dr

Marine Sciences Research Center, State Univ.
of New York, Stony Brook, NY 11794-5000,
USA
Physiological ecology of phytoplankton

Fowler, S. W., Dr

IAEA, ILMR, Stade Louis II, Entrée C-19, Ave
des Castellans, MC-98000 Monaco
Trace element metabolism

Haedrich, R. L., Prof.

Memorial University of Newfoundland,
St. John's, Nfld., Canada A1B 3X9
Environmental effects on fishes (incl. deep
sea)

Kasyanov, V., Dr

Institute of Marine Biology, Academy of
Sciences, Vladivostok 690032, Russia
Environmental effects on invertebrates; re-
production, development

Kjørboe, T., Dr

Danish Institute for Fisheries and Marine
Res., Charlottenlund Castle, DK-2920 Char-
lottenlund, Denmark
Physiological ecology of zooplankton, inclu-
ding fishes (esp. larvae)

Lawrence, J. M., Prof.

Dept of Biology, Univ. of South Florida,
Tampa, FL 33620, USA
Physiological ecology of invertebrates

Luoma, S. N., Dr

US Dept of the Interior, Geological Survey,
Water Resources Div., 345 Middlefield Rd,
Menlo Park, CA 94025, USA
Geochemical and biological factors affecting
biochemical processes in invertebrates; con-
taminant effects on bioavailability

McLusky, D. S., Dr

Dept of Biological Sciences, Univ. Stirling,
Stirling FK9 4LA, Scotland
Physiological ecology of invertebrates

Meyer-Reil, L.-A., Dr

Institut für Meereskunde, Düsternbrooker
Weg 20, W-2300 Kiel, Germany
Environmental effects on benthic microor-
ganisms, benthic microbial ecology

Meyers, S. P., Prof.

Dept of Food Science, Louisiana State Univ.,
Baton Rouge, LA 70803, USA
Physiological ecology of microorganisms

Morita, R. Y., Prof.

Dept of Microbiology, Oregon State Univ.,
Corvallis, OR 97331, USA
Marine microbiology

Paasche, E., Prof.

Dept of Biology, Univ. Oslo, Marine Botany, PO
Box 1069, Blindern, N-0316 Oslo 3, Norway
Physiological ecology of phytoplankton; pri-
mary production; benthic algae

Rheinheimer, G., Prof.

Institut für Meereskunde, Univ. Kiel, Düs-
ternbrooker Weg 20, W-2300 Kiel, Germany
Marine microbiology

Riisgård, H. U., Dr

Odense Universitet, Biologisk Institut, Cam-
pusvej 55, DK-5230 Odense M., Denmark
Environmental effects on invertebrates; bio-
energetics of suspension feeders

Southward, A. J., Dr

Plymouth Marine Laboratory, Citadel Hill,
Plymouth PL1 2PB, England
Environmental effects on invertebrates

Vernberg, J., Prof.

Belle W. Baruch Institute for Marine Biol. and
Coastal Res., Univ. of South Carolina, Colum-
bia, SC 29208, USA
Physiological ecology of invertebrates

West, J. A., Prof.

Dept of Plant Biology, Univ. of California,
111 Genetics Plant Biology Bldg, Berkeley,
CA 94720, USA
Physiological ecology and reproductive
biology of estuarine and marine benthic
macroalgae

Westernhagen, H. von, Dr

Biologische Anstalt Helgoland, Notkestr. 31,
W-2000 Hamburg 52, Germany
Effects of pollution on marine communities

Winter, J. E., Dr

Instituto de Zoología, Univ. Austral de Chile,
Casilla 567, Valdivia, Chile
Physiological ecology of invertebrates

PHYSIOLOGICAL MECHANISMS

Alderdice, D., Dr

Pacific Biological Station, Nanaimo, B.C.,
Canada V9R 5KR
Resistance to stress including pollution; regu-
lation; adaptation

Browman, H. I., Dr

Dept of Biology, University of Victoria, PO
Box 1700, Victoria, BC, Canada V8W 2Y2
Foraging behavior and development of (sen-
sory) organs, especially in fishes

Batty, R. S., Dr

Dunstaffnage Marine Research Laboratory,
PO Box 3, Oban, Argyll PA34 3AD, Scotland
Behavioral physiology of fish; feeding; pre-
dation of fish larvae

Brown, B. E., Dr

Dept of Biology, The University, Newcastle
upon Tyne NE1 7RU, England
Physiology and ecology of corals

Burton, R. S., Prof.

Marine Biology Research Division 0202,
Scripps Institution of Oceanography, Univer-
sity of California, 9500 Gilman, La Jolla,
CA 92093-0202, USA
Population genetics; evolutionary mecha-
nisms in populations; biochemical and mole-
cular genetic analyses of invertebrates

Caron, D. A., Dr

Biology Dept, Woods Hole Oceanographic
Institution, Woods Hole, MA 02543, USA
Feeding, respiration and nutrient regenera-
tion of protozoans

Chapman, A. R. O., Prof.

Institut für Meereskunde an der Universität
Kiel, Düsternbrooker Weg 20, W-2300 Kiel 1,
Germany
Physiology and demography of macroalgae

Conover, R. J., Dr

Marine Ecology Laboratory, Bedford Institute of
Oceanography, PO Box 1006, Dartmouth,
N.S., Canada B2Y 4A2
Physiology and biochemistry of zooplankton

Costlow, J. D., Jr, Prof.

Duke University Marine Laboratory, Pivers
Island, Beaufort, NC 28516, USA
Developmental physiology; endocrinology

Enright, J. T., Prof.

Scripps Institution of Oceanography, San
Diego, PO Box 1529, La Jolla, CA 92093, USA
Biological rhythms

Forward, R. B., Jr, Dr

Duke University Marine Laboratory Pivers
Island, Beaufort, NC 28516-9721, USA
Environmental zoo-physiology; behavior;
biological rhythms

Fowler, S. W., Dr

IAEA, ILMR, Stade Louis II, Entrée C-19, Ave
des Castellans, MC-98000 Monaco
Trace element metabolism

Gerking, S. D., Prof.

Dept of Zoology, Arizona State Univ., Tempe,
AZ 85281, USA
Fish physiology

Holland, N. D., Prof.

Scripps Institution of Oceanography, San
Diego, PO Box 1529, La Jolla, CA 92093, USA
Comparative, cellular and developmental
physiology

Humphrey, G. F., Dr

CSIRO Marine Biochemistry, Building A12,
Sydney Univ., N.S.W. 2006, Australia
Photosynthesis; plankton biochemistry

Leftley, J. W., Dr

Dunstaffnage Marine Laboratory, PO Box 3,
Oban, Argyll PA34 4AD, UK
Physiology and biochemistry of microalgae
(laboratory and field); nitrogen metabolism

Levandowsky, M., Dr

Haskins Laboratories at Pace Univ., 41 Park
Row, New York, NY 10038, USA
Chemosensory behavior; mathematical mo-
dels

McLusky, D. S., Dr

Dept of Biological Sciences, Univ. Stirling,
Stirling FK9 4LA, Scotland
Osmoregulation in estuarine invertebrates

Naylor, E., Prof.

School of Ocean Sciences, Univ. of Wales,
Menai Bridge, Gwynedd LL59 5EY, Wales,
UK
Behavioural physiology; invertebrate biology

Pawlik, J., Dr

The University of North Carolina at Wilming-
ton, Wilmington, NC 28403-3297, USA
Chemical defense of invertebrates; antifou-
ling, chemical cues

Puiseux-Dao, S., Prof.

Laboratoire de Cytophysiologie végétale et
de Toxicologie cellulaire, Université de Paris
VII, 2, Place Jussieu, F-75251 Paris Cedex 05,
France
Ecophysiology and toxicology of algae; cellu-
lar biology; behavior of algae

Rivkin, R. B., Prof.

Ocean Sciences Centre, University of New-
foundland, St. John's, Nfld, Canada A1C 5S7
Phytoplankton physiology and ecology

Shick, J. M., Prof.

Dept. of Zoology, Univ. of Maine, Murray
Hall, Orono, ME 04469-5751, USA
Physiological energetics of invertebrates,
incl. metabolic calorimetry; symbioses;
hyperoxia and oxidative stress; effects of UV
light; sea anemone biology

Videler, J. J., Dr

Dept of Marine Biology, Univ. of Groningen, PO Box 14, 9750 AA Haren, The Netherlands
Swimming dynamics of plankton; activity pattern and reproductive strategies of fishes; energy budgets of herbivores

West, J. A., Prof.

Dept of Plant Biology, Univ. of California, 111 Genetics Plant Biology Bldg, Berkeley, CA 94720, USA
Chemistry of red algae; molecular genetics of red and green algae

Wieser, W., Prof.

Institut für Zoologie der Leopold-Franzens-Universität Innsbruck, Technikerstraße 25, A-6020 Innsbruck, Austria
Physiological ecology of invertebrates

Zhirumsky, A. V., Prof.

Institute of Marine Biology, Academy of Sciences, Vladivostok 690032, Russia
Mechanisms of cellular resistance and control

CULTIVATION

Lawrence, J. M., Prof.

Dept of Biology, Univ. of South Florida, Tampa, FL 33620, USA
Nutrition of invertebrates

Levandowsky, M., Dr

Haskins Laboratories at Pace Univ., 41 Park Row, New York, NY 10038, USA
Microcosm cultures

Meyers, S. P., Prof.

Dept of Food Science, Louisiana State Univ., Baton Rouge, LA 70803, USA
Cultivation of microorganisms and crustaceans; aquaculture; microenvironments

Pandian, T. J., Prof.

School of Biological Sciences, Madurai Kamaraj Univ., Madurai 625 021, Tamilnadu, India
Cultivation of decapods and fishes; bioenergetics

Rheinheimer, G., Prof.

Institut für Meereskunde, Univ. Kiel, Düsterbrookweg 20, W-2300 Kiel, Germany
Cultivation of microorganisms

Winter, J. E., Dr

Instituto de Zoología, Univ. Austral de Chile, Casilla 567, Valdivia, Chile
Cultivation of invertebrates

DYNAMICS

Alongi, D. M., Dr

Coastal Processes and Resources Program, Australian Institute of Marine Science, PMB No. 3, Townsville M.C., Q. 4810, Australia
Trophic dynamics and nutrient energetics of soft-bottom benthic food webs (particularly tropical microbes and meiofauna)

Azam, F., Prof.

Scripps Institution of Oceanography, Univ. of California, La Jolla, CA 92093, USA
Viral and bacterial ecology; microbial biogeochemistry

Bak, R. P. M., Dr

Nederlands Instituut voor Onderzoek der Zee, Postbox 59, 1790 AB Den Burg – Texel, The Netherlands
Coral-reef ecology

Banase, K., Prof.

School of Oceanography, WB-10, Univ. of Washington, Seattle, WA 98195, USA
Biological oceanography; plankton research

Berman, T., Prof.

Kinneret Limnological Laboratory, PO Box 345, Tiberias 14102, Israel
Phytoplankton ecology

Bianchi, A., Dr

C.N.R.S. ER 223, Microbiologie Marine, Campus de Luminy – case 907, 70, route Léon Lachamp, F-13288 Marseille Cedex 9, France
Marine microbiology; ecological dynamics

Birkeland, C., Prof.

Univ. of Guam, Marine Laboratory, UOG Station, Mangilao, Guam 96913
Coral-reef ecology; benthic ecology

Browman, H. I., Dr

Dept of Biology, University of Victoria, PO Box 1700, Victoria, BC, Canada V8W 2Y2
Early life history, growth and development in fishes; fish zooplankton interactions

Brattegard, T., Dr

Universitetet i Bergen, Institutt for fiskeri-og marin-biologi, Thormohlens gt. 55, N-5008 Bergen, Norway
Distribution and ecology of malacostracan crustaceans (esp. suprabenthic/hyperbenthic species)

Bunt, J. S., Dr

4/6 McDonald Street, Potts Point, NSW 2011, Australia
Mangrove systems; reef studies

Caron, D. A., Dr

Biology Dept, Woods Hole Oceanographic Institution, Woods Hole, MA 02543, USA
Microbial ecology; trophic relations between planktonic protozoans and other heterotrophic and photosynthetic organisms; pelagic detrital aggregates

Chapman, A. R. O., Prof.

Institut für Meereskunde an der Universität Kiel, Düsterbrookweg 20, W-2300 Kiel 1, Germany
Community ecology of rocky shores

Collos, Y., Dr

Laboratoire d'Hydrobiologie, Université de Montpellier CC 093, F-34095 Montpellier Cedex 5, France
Nitrogen cycling and primary production

Conover, R. J., Dr

Marine Ecology Laboratory, Bedford Institute of Oceanography, PO Box 1006, Dartmouth, N.S., Canada B2Y 4A2
Zooplankton biology

Cushing, D. H., Dr

Ministry of Agriculture, Fisheries and Food, Fisheries Laboratory, Lowestoft, Suffolk NR33 OHT, England
Productivity of the sea; fish-population dynamics; biological oceanography

Elliott, M., Dr

Dept of Applied Biology, Institute of Estuarine and Coastal Studies, The University, Hull HU6 7RX, UK
Structure and function of fish and benthic communities

Feller, R. J., Prof.

Biology and Marine Science, Belle W. Baruch Institute for Marine Biology and Coastal Research, Columbia, SC 29208, USA
Trophic dynamics and energetics of crustaceans; feeding and digestion of fishes; benthic ecology of meiofauna; ecological applications of immunology and serology

Fenchel, T., Prof.

Marine Biological Laboratory (University of Copenhagen), DK-3000 Helsingør, Denmark
Population biology; microbial ecology

Field, J. G., Prof.

University of Cape Town, Zool. Dept, Rondebosch 7700, Republic of South Africa
Dynamics of nearshore ecosystems

Foster, M. S., Prof.

Moss Landing Marine Laboratories, California State Univ., PO Box 450, Moss Landing, CA 95039-040, USA
Population and community ecology of macroalgae

Fowler, S. W., Dr

IAEA, ILMR, Stade Louis II, Entrée C-19, Ave des Castellans, MC-98000 Monaco
Particle flux; biogeochemistry

Fuhrman, J., Prof.

Marine Biology Res. Section, Dept of Biological Sciences, Univ. of Southern California, Los Angeles, CA 90089-0371, USA
Planktonic microbial ecology. Productivity and growth of microorganisms, especially bacteria

Furness, R. W., Dr

Department of Zoology, The University of Glasgow, Glasgow G12 8QQ, Scotland
Ecology of sea birds

Furuya, K., Dr

Faculty of Bioresources, Mie University, 1515 Kamihama, Tsu 514, Japan
Phytoplankton ecology; community structure, dynamics

Gage, J. D., Dr

Dunstaffnage Marine Research Laboratory, PO Box 3, Oban, Argyll PA34 4AD, Scotland
Benthos of deep sea and temperate coasts

Gray, J., Prof.

Institutt for Marinbiologi og Limnologi, Univ. Oslo, Postboks 1064, Blindern, Oslo 3, Norway
Soft-sediment ecology

Haedrich, R. L., Dr

Memorial University of Newfoundland, St. John's Nfld., Canada A1B 3X9
Zoogeography; natural history of fish

Hansen, B., Dr

Roskilde University, Institute I, Life Sciences & Chemistry, PO Box 250, DK-4000 Roskilde, Denmark

Laboratory and in situ studies on zooplankton; secondary production (grazing, growth, energetics, feeding behaviour)

Harding, G. C., Dr

Marine Ecology Laboratory, Bedford Institute of Oceanography, PO Box 1006, Dartmouth, N.S., Canada B2Y 4A2
Crustacean ecology (incl. deep sea)

Heck, K. L., Jr, Dr

Marine Environmental Sciences Consortium, Dauphin Island Sea Lab., PO Box 369-370, Dauphin Island, AL 36528, USA
Benthic ecology, emphasis on seagrass ecosystems

Holm-Hansen, O., Dr

Scripps Inst. of Oceanography, Univ. of California, La Jolla, CA 92093, USA
Polar ecology; chemical oceanography; photosynthesis

Hudon, C., Dr

Halifax Research Laboratory, C.P. 550, Halifax, N.S., Canada B3J 2S7
Crustacean ecology and biology

Hughes, R. N., Dr

School of Animal Biology, Univ. College North Wales, Bangor, Gwynedd LL57 2UW, Wales, UK
Ecological energetics (particularly feeding)

Karlson, R. H., Prof.

School of Life and Health Sciences Ecology Program, Univ. of Delaware, Newark, DE 19716, USA
Population and community ecology of benthic invertebrates

Kjørboe, T., Dr

Danish Institute for Fisheries and Marine Res., Charlottenlund Castle, DK-2910 Charlottenlund, Denmark
Biological oceanography; physical and biological processes in the pelagial with emphasis on copepods and fish larvae

Klumpp, D., Dr

Australian Institute of Marine Science, PMB No. 3, Townsville M. C., Q. 4810, Australia
Trophodynamics; animal nutrition, energy and nutrient budgets; nutrient cycling; primary productivity; fish biology; seagrass, coral reef, kelp bed ecosystems

Landry, M. R., Dr

Dept of Oceanography, Univ. of Hawaii, Manoa, 1000 Pope Rd, Honolulu, HI 96822, USA
Food web interactions; zooplankton ecology

Lawrence, J. M., Prof.

Dept of Biology, Univ. of South Florida, Tampa, FL 33620, USA
Reproduction of invertebrates; nutrition

Levandowsky, M., Dr

Haskins Laboratories at Pace Univ., 41 Park Row, New York, NY 10038, USA
Ecological modelling; phytoplankton ecology

Levings, C., Dr

West Vancouver Laboratory, 4160 Marine Drive, West Vancouver, B.C., Canada V7V 1N6
Estuarine ecology of macrobenthos and fish

Lewis, J. B., Dr

Dept of Biology, McGill Univ., Stewart Biology Bldg, 1205 Dr. Penfield, Montreal, Quebec, Canada H3A 1B1
Coral-reef ecology; tropical marine biology

Lewis, M. R., Dr
Dept of Oceanography, Dalhousie University,
Halifax, N.S., Canada B3H 4J1
Biological oceanography; phytoplankton
physiology; modelling of physical and biologi-
cal processes

Luoma, S. N., Dr
US Dept of the Interior, Geological Survey,
Water Resources Div., 345 Middlefield Rd,
Menlo Park, CA 94025, USA
Feeding ecology of deposit feeders; geoche-
mistry of trace elements in sediments

Marcus, N. H., Dr
Dept of Oceanography, Florida State Univ.,
B-169, Tallahassee, FL 32306-3048, USA
Zooplankton ecology; biology and genetics
of invertebrate populations; rhythms (e.g.
spawning, feeding)

Mauchline, J., Dr
Scottish Marine Biological Ass., Dunstaffna-
ge Marine Res. Lab., POB 3, Oban, Argyll
PA34 4AD, Scotland
Deep-sea ecology; radioactive pollution

Moriarty, D., Dr
CSIRO Marine Laboratories, Division of Fish-
eries, PO Box 120, Cleveland, Qld. 4163,
Australia
Microbial ecology and biochemistry; role of
microorganisms in bio-geochemical cycles
and food webs; molecular techniques in bac-
terial ecology

Nelson, D. M., Prof.
College of Oceanography, Oregon State
Univ., Oceanography Admin. Bldg. 104, Cor-
vallis, OR 97331, USA
Phytoplankton ecology; nutrient cycling

Neushul, M., Prof.
Dept of Biological Sciences, Univ. of Califor-
nia, Santa Barbara, CA 93106, USA
Ecology of benthos algae; marine macro-
phytes

Newell, S. Y., Dr
The University of Georgia, Marine Institute,
Sapelo Island, GA 31327, USA
Ecology of fungi and bacteria; decomposition

Nybakken, J., Prof.
Moss Landing Marine Laboratories, Califor-
nia State Univ., PO Box 450, Moss Landing,
CA 95039-0450, USA
Ecology of molluscs; community structure of
soft-sediment invertebrates

Pawlik, J., Dr
The University of North Carolina at Wilming-
ton, Wilmington, NC 28403-3297, USA
Ecology and biology of invertebrate larvae;
settlement; recruitment; life histories; disper-
sal; natural products

Pearse, J. S., Prof.
Center for Coastal Marine Studies, Univ. of
California, Santa Cruz, CA 95064, USA
Kelp forest ecology; reproductive ecology

Peterson, C. H., Prof.
Institute of Marine Science, Univ. of N. Caro-
lina at Chapel Hill, 3407 Arendell Street,
Morehead City, NC 28557, USA
Marine benthic ecology; population biology

Platt, T., Dr
Marine Ecology Laboratory, Bedford Institute
of Oceanography, PO Box 1006, Dartmouth,
N.S., Canada B2Y 4A2
Phytoplankton ecology; primary production

Purcell, J. E., Dr
The University of Maryland Systems, Center
for Environmental and Estuarine Studies, PO
Box 775, Cambridge, MD 21613, USA
Zooplankton ecology and behavior; trophic
dynamics; prey selection. Competition for
space among benthic invertebrates

Rassoulzadegan, F., Dr
Station Zoologique, B.P. 28, F-06230 Ville-
franche-sur-Mer, France
Microbial ecology (food webs, microbial
loop); pico- and nanoplankton; planktonic
flagellates and ciliates; micro- and mesozoo-
plankton; carbon flux

Reise, K., Prof.
Biologische Anstalt Helgoland, W-2282 List/
Sylt, Germany
Benthos ecology

Rivkin, R. B., Prof.
Ocean Sciences Centre, University of New-
foundland, St. John's, Nfld,
Canada A1C 5S7
Microbial ecology; polar planktonic process;
lower food web dynamics

Savidge, G., Dr
The Queen's Univ. of Belfast, Marine Biology
Station, The Strand, Portaferry, Co. Down,
Northern Ireland
Phytoplankton ecology; primary production;
photosynthesis

Schellema, R. S., Dr
Woods Hole Oceanographic Institution,
Woods Hole, MA 02543, USA
Invertebrate larval ecology

Schneider, D. C., Dr
Newfoundland Institute for Cold Ocean
Science, Memorial University of Newfound-
land, St. John's, Newfoundland, Canada A1B
3X7
Dynamics of large organisms; ecology of sea
birds

Sherr, B. & E., Drs
College of Oceanography, Oregon State
Univ., Oceanogr. Admin Bldg 104, Corvallis,
Oregon 97331, USA
Microbial food webs; trophic roles of phago-
trophic protozoans

Skjoldal, H. R., Dr
Institute of Marine Research, Postboks 1870,
N-5024 Bergen-Nordnes, Norway
Food webs and trophic interactions

Southward, A. J., Dr
Plymouth Marine Laboratory, Citadel Hill,
Plymouth PL1 2PB, England
Rocky-coast ecosystems; deep-sea ecosys-
tems

Stoecker, D. K., Dr
Horn Point Environmental Laboratories, PO
Box 775, Cambridge, MD 21613, USA
Microzooplankton, particularly ciliates; se-
condary production

Tenore, K. R., Prof.
Chesapeake Biological Laboratory, PO Box
38, Solomons, MD 20688-0038, USA
Benthic ecology and bioenergetics; produc-
tion; food chains of detritus-based systems

Thayer, G. W., Dr
Ecosystem Structure Branch, Southeast Fish-
eries Center, Beaufort, NC 28516-9722, USA
Wetlands ecology, incl. submerged sea-
grasses and emergent marshes; production
and utilization of detritus

Underwood, A. J., Dr
School of Biol. Sci., Univ. Sydney, Zoology
Building, Sydney, N.S.W. 2006, Australia
Experimental intertidal and subtidal ecology;
behavior; life cycles of sessile invertebrates

Vinogradov, M. E., Prof.
P. P. Shirshov Institute of Oceanology, Aca-
demy of Sciences of USSR, 1, Letnaya (Ljublino),
Moscow 109387, Russia
Oceanic plankton ecosystems; deep-sea am-
phipods; biological oceanography

Wangersky, P. J., Prof.
Dept of Oceanography, Dalhousie Univ., Ha-
lifax, N.S., Canada B3H 4J1
Organic matter in sea water; theoretical pop-
ulation dynamics; geochemistry; chemical
oceanography

Warwick, R. M., Dr
Plymouth Marine Laboratory, Prospect Place,
West Hoe, Plymouth PL1 3DH, England
Structure and functioning of benthic commu-
nities; meiofaunal ecology; energy flow

West, J. A., Prof.
Dept of Plant Biology, Univ. of California, 111
Genetics Plant Biology Bldg, Berkeley, CA
94720, USA
Reproductive dynamics of red algae; fine
structure and parasites of algae

Williams, R., Dr
Plymouth Marine Laboratory, Prospect Place,
West Hoe, Plymouth PL1 3DH, England
Plankton ecology; community structure, pop-
ulation dynamics

OCEAN MANAGEMENT

Alderdice, D., Dr
Pacific Biological Station, Nanaimo, B.C.,
Canada V9R 5KR
Pollution of marine environments

Bernhard, M., Dr
ENEA, PO Box 316, I-19100 La Spezia, Italy
Radioactive and conventional pollution

Brown, B. E., Dr
Dept of Biology, The University, Newcastle
upon Tyne NE1 7RU, England
Effects of man-made and natural disturb-
ances on coral reefs

Bryan, G. W., Dr
Plymouth Marine Laboratory, Citadel Hill,
Plymouth PL1 2PB, England
Heavy metal pollution; estuarine chemistry

Eisler, R., Dr
U.S. Dept of the Interior, Fish and Wildlife
Service, Laurel, MD 20708, USA
Toxicology and pollution

Elliott, M., Dr
Dept of Applied Biology, Institute of Estu-
arine and Coastal Studies, The University,
Hull HU6 7RX, UK
Marine pollution assessment and control

Fisher, N. S., Dr
Marine Sciences Research Center, State
Univ. of New York, Stony Brook, NY 11794-
5000, USA
Pollutant effects on plankton; radioecology

Fowler, S. W., Dr
IAEA, ILMR, Stade Louis II, Entrée C-19, Ave
des Castellans, MC-98000 Monaco
Pollution effects on zooplankton; radioecol-
ogy

Gray, J., Prof.
Institutt for Marinbiologi og Limnologi, Univ.
Oslo, Postboks 1064, Blindern, Oslo 3, Nor-
way
Pollution effects on benthos animals

Luoma, S. N., Dr
US Dept of the Interior, Geological Survey,
Water Resources Div., 345 Middlefield Rd,
Menlo Park, CA 94025, USA
Bioaccumulation of trace contaminants (prin-
cipally trace elements and radionuclide
waste products)

Mauchline, J., Dr
Scottish Marine Biological Ass., Dunstaff-
nage Marine Res. Lab., PO Box 3, Oban,
Argyll PA34 4AD, Scotland
Radioactive pollution

McLusky, D. S., Dr
Dept of Biological Sciences, Univ. Stirling,
Stirling FK9 4LA, Scotland
Biological effects of pollutants (petro-, chemi-
cal, organic enrichment)

Peterson, C. H., Prof.
Institute of Marine Science, Univ. of N. Caro-
lina at Chapel Hill, 3407 Arendell Street,
Morehead City, NC 28557, USA
Fisheries management and ecology

Polikarpov, G. G., Prof.
Institute of Biology of South Seas, Academy
of Sciences Uk. SSR, 2, Nahimov St., Sevasto-
pol 335000, Ukraine
Chemical ecology, radioecology, radio-
tracers, pollution; protection of sea life

Sherman, K., Dr
US Dept of Commerce, NOAA, Northeast
Fisheries Center, 28 Tarzwell Dr., Narragan-
sett, RI 02882, USA
Fisheries ecology; fishery resources; zoo-
plankton

Westernhagen, H. von, Dr
Biologische Anstalt Helgoland, Notkestr. 31,
W-2000 Hamburg 52, Germany
Fish egg and larval survival

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Publisher: Inter-Research, PO Box 1120, W-2124 Amelinghausen, Germany
Tel (+49) (0)4132 7127, Fax (+49) (0)4132 8883

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